

CLAIMS LISTING

- 1.(cancelled)
- 2.(currently amended) Screen or panel according to claim 37
~~claim 1~~, wherein said reflectivity is at least 90%.
- 3.(currently amended) Screen or panel according to claim 37
~~claim 1~~, wherein said reflectivity is at least 95%.
- 4.(currently amended) Screen or panel according to claim 37
~~claim 1~~, wherein said substrate has a surface roughness of
less than 1 μm .
- 5.(original) Screen or panel according to claim 2, wherein
said substrate has a surface roughness of less than 1 μm .
- 6.(original) Screen or panel according to claim 3, wherein
said substrate has a surface roughness of less than 1 μm .
- 7.(currently amended) Screen or panel according to claim 37
~~claim 1~~, wherein said phosphor is a CsX:Eu phosphor,
wherein X is selected from Br and Cl
- 8.(original) Screen or panel according to claim 2, wherein
said phosphor is a CsX:Eu phosphor, wherein X is selected
from Br and Cl.

- 9.(original) Screen or panel according to claim 3, wherein
said phosphor is a CsX:Eu phosphor, wherein X is selected
from Br and Cl.
- 10.(original) Screen or panel according to claim 4, wherein
said phosphor is a CsX:Eu phosphor, wherein X is selected
from Br and Cl.
- 11.(original) Screen or panel according to claim 5, wherein
said phosphor is a CsX:Eu phosphor, wherein X is selected
from Br and Cl.
- 12.(original) Screen or panel according to claim 6, wherein
said phosphor is a CsX:Eu phosphor, wherein X is selected
from Br and Cl.
- 13.(currently amended) Screen or panel according to claim 37
~~claim 1~~, wherein said substrate is an amorphous carbon
layer, overcoated with a reflecting layer.
- 14.(original) Screen or panel according to claim 2, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 15.(original) Screen or panel according to claim 3, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.

- 16.(original) Screen or panel according to claim 4, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.
- 17.(original) Screen or panel according to claim 5, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.
- 18.(original) Screen or panel according to claim 6, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.
- 19.(original) Screen or panel according to claim 7, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.
- 20.(original) Screen or panel according to claim 8, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.
- 21.(original) Screen or panel according to claim 9, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.
- 22.(original) Screen or panel according to claim 10, wherein said substrate is an amorphous carbon layer, overcoated with a reflecting layer.

- 23.(original) Screen or panel according to claim 11, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 24.(original) Screen or panel according to claim 12, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 25.(original) Screen or panel according to claim 13, wherein
said reflecting layer is an aluminum layer.
- 26.(original) Screen or panel according to claim 14, wherein
said reflecting layer is an aluminum layer.
- 27.(original) Screen or panel according to claim 15, wherein
said reflecting layer is an aluminum layer.
- 28.(original) Screen or panel according to claim 16, wherein
said reflecting layer is an aluminum layer.
- 29.(original) Screen or panel according to claim 17, wherein
said reflecting layer is an aluminum layer.
- 30.(original) Screen or panel according to claim 18, wherein
said reflecting layer is an aluminum layer.
- 31.(original) Screen or panel according to claim 19, wherein
said reflecting layer is an aluminum layer.

32.(original) Screen or panel according to claim 20, wherein
said reflecting layer is an aluminum layer.

33.(original) Screen or panel according to claim 21, wherein
said reflecting layer is an aluminum layer.

34.(original) Screen or panel according to claim 22, wherein
said reflecting layer is an aluminum layer.

35.(original) Screen or panel according to claim 23, wherein
said reflecting layer is an aluminum layer.

36.(original) Screen or panel according to claim 24, wherein
said reflecting layer is an aluminum layer.

37.(currently amended) Image storage screen or panel
comprising a binderless needle-shaped stimuable phosphor
and a substrate, characterized in that said substrate has a
surface roughness of less than 2 μ m and a reflectivity of
more than 80% ~~Screen or panel according to claim 1~~, wherein
a moisture-repellent layer is present inbetween said
substrate and said phosphor layer.

38-40. (cancelled)

41.(currently amended) Screen or panel according to claim 37
~~claim 1~~, wherein, adjacent to the said phosphor layer, a
moisture-repellent layer is coated as an outermost layer.

- 42.(original) Screen or panel according to claim 4, wherein,
adjacent to the said phosphor layer, a moisture-repellent
layer is coated as an outermost layer.
- 43.(original) Screen or panel according to claim 7, wherein,
adjacent to the said phosphor layer, a moisture-repellent
layer is coated as an outermost layer.
- 44.(original) Screen or panel according to claim 13, wherein,
adjacent to the said phosphor layer, a moisture-repellent
layer is coated as an outermost layer.
- 45.(original) Screen or panel according to claim 37, wherein
said moisture-repellent layer is a parylene layer.
- 46.(currently amended) Screen or panel according to claim 4
~~claim 38~~, wherein said moisture-repellent layer is a
parylene layer.
- 47.(currently amended) Screen or panel according to claim 7
~~claim 39~~, wherein said moisture-repellent layer is a
parylene layer.
- 48.(currently amended) Screen or panel according to claim 13
~~claim 40~~, wherein said moisture-repellent layer is a
parylene layer.
- 49-56.(cancelled)

57.(currently amended) A system for computed radiography
comprising ~~Use of~~ a screen or panel according to claim 37
~~in a system for computed radiography.~~

58-63.(cancelled)

64.(original) A mammographic system comprising ~~Use of~~ a screen
or panel according to claim 57 ~~in mammographic~~
~~applications.~~

65-66.(cancelled)